STIC Biotechnology Systems Branch

RAW SEQUENCE LISTING
ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: _10 591,347_

Source: _IPWP_

Date Processed by STIC: _9/18/06_

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.
PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:
1) **INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,**
2) **TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY**
FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO **REDUCE** ERRORED SEQUENCE LISTINGS, **PLEASE** USE THE **CHECKER VERSION 4.4.0 PROGRAM**, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:
http://www.uspto.gov/web/offices/pac/checker/chkrnote.htm

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.
Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.
Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (**<http://www.uspto.gov/ebc/efs/downloads/documents.htm>** , **EFS Submission User Manual** - ePAVE)
2. **U.S. Postal Service:** Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. **Hand Carry, Federal Express, United Parcel Service, or other delivery service (EFFECTIVE 01/14/05):**
   U.S. Patent and Trademark Office, Mail Stop Sequence, Customer Window, Randolph Building, 401 Dulany Street, Alexandria, VA 22314

Revised 01/10/06

IFWP

RAW SEQUENCE LISTING   DATE: 09/18/2006
PATENT APPLICATION: US/10/591,347   TIME: 15:29:47

Input Set : A:\pro da.txt
Output Set: N:\CRF4\09182006\J591347.raw

```
      4 <110> APPLICANT: Velculescu, Victor
      5        Kinzler, Kenneth
      6        Vogelstein, Bert
      7        Samuels, Yardena
     10 <120> TITLE OF INVENTION: MUTATIONS OF THE PIK3CA GENE IN HUMAN
     11        CANCERS
     13 <130> FILE REFERENCE: 001107.00617
C--> 15 <140> CURRENT APPLICATION NUMBER: US/10/591,347
C--> 15 <141> CURRENT FILING DATE: 2006-08-31
     15 <150> PRIOR APPLICATION NUMBER: PCT/US2005/05193
     16 <151> PRIOR FILING DATE: 2005-02-18
     18 <150> PRIOR APPLICATION NUMBER: 60/548886
     19 <151> PRIOR FILING DATE: 2004-03-02
     21 <160> NUMBER OF SEQ ID NOS: 487
     23 <170> SOFTWARE: FastSEQ for Windows Version 4.0
```

*Does Not Comply
Corrected Diskette Needed
(pg. 1-2)*

ERRORED SEQUENCES

No "Es" are allowed in a RNA sequence.
Pls use "U" instead of "E".

```
     89 <210> SEQ ID NO: 2
     90 <211> LENGTH: 3424
     91 <212> TYPE: RNA
     92 <213> ORGANISM: Homo sapiens
     94 <400> SEQUENCE: 2
E--> 95 aggaecagaa caegcctcc aagaccaeca ecaggtgaac eetggggeat ccacetgatg   60
E--> 96 cccccaagaa ecetagtgga aegttacea ccaaaeggaa egaeagtgac ttetagaatgc  120
E--> 97 etecgegagg etcaeteact aaetetaaag caetgaactat ttaaagaagc aagaaaetac  180
E--> 98 cctctccatc aacttcttca agatgaatct tcttacattt tcgtaagtgt tacccaagaa  240
E--> 99 gcagaaaggg aagaatttt tgatgaaaca agacgacttt gtgatcttcg cttttttcaa  300
E--> 100 ccatttttaa aagtaattga accagtaggc aaccgtgaag aaaagatcct caatcgagaa  360
E--> 101 attggttttg ctatcggcat gccagtgtgc gaatttgata tggttaaaga tcctgaagta  420
E--> 102 caggacttcc gaagaaatat tcttaatgtt tgtaaagaag ctgtggatct tagggatctt  480
E--> 103 aattcacctc atagtagagc aatgtatgtc tatccgccac atgtagaatc ttcaccagag  540
E--> 104 ctgccaaagc acatatataa taaattggat agaggccaaa taatagtggt gatttgggta  600
E--> 105 atagtttctc caaataatga caagcagaag tatactctga aaatcaacca tgactgtgtg  660
E--> 106 ccagaacaag taattgctga agcaatcagg aaaaaaacta gaagtatgtt gctatcatct  720
E--> 107 gaacaattaa aactctgtgt tttagaatat caggacaagt acattttaaa agtgtgtgga  780
E--> 108 tgtgatgaat acttcctaga aaaatatcct ctgagtcagt ataagtatat aagaagctgt  840
E--> 109 ataatgcttg ggaggatgcc caatttgaag atgatggcta agaaagcct ttattctcaa  900
E--> 110 ctgccaatgg actgttttac aatgccatct tattccagac gcatttccac agctacacca  960
E--> 111 tatatgaatg agaaacatc tacaaaatcc ctttgggtta taaatagagc actcagaata 1020
E--> 112 aaaattcttt gtgcaaccta cgtgaatcta aatattcgag acattgacaa gatttatgtt 1080
E--> 113 cgaacaggta tctaccatgg aggagaaccc ttatgtgaca atgtgaacac tcaaagagta 1140
```

same errors

RAW SEQUENCE LISTING   DATE: 09/18/2006
PATENT APPLICATION: US/10/591,347   TIME: 15:29:47

Input Set : A:\pto.da.txt
Output Set: N:\CRF4\09182006\J591347.raw

```
E--> 114 ccttgttcca atcccaggtg gaatgaatgg ctgaattatg atatatacat tcctgatctt   1200
E--> 115 cctcgtgctg ctcgactttg cctttccatt tgctctgtta aaggccgaaa gggtgctaaa   1260
E--> 116 gaggaacact gtccattggc atggggaaat ataaacttgt ttgattacac agacactcta   1320
E--> 117 gtatctggaa aaatggcttt gaatctttgg ccagtacctc atggattaga agatttgctg   1380
E--> 118 aaccctattg gtgttactgg atcaaatcca aataaagaaa ctccatgctt agagttggag   1440
E--> 119 tttgactggt tcagcagtgt ggtaaagttc ccagatatgt cagtgattga agagcatgcc   1500
E--> 120 aattactctg tatcccgaga agcaggattt agctattccc acgcaggact gagtaacaga   1560
E--> 121 ctagctagag acaatgaatt aagggaaaat gacaaagaac agctcaaagc aatttctaca   1620
E--> 122 cgagatcctc tctctgaaat cactgagcag gagaaagatt ttctatggag tcacagacac   1680
E--> 123 tattgtgtaa ctatccccga aattctaccc aaattgcttc tgtctgttaa atggaattct   1740
E--> 124 agagatgaag tagcccagat gtattgcttg gtaaaagatt ggcctccaat caaacctgaa   1800
E--> 125 caggctatgg aacttctgga ctgtaattac ccagatccta tggttcgagg ttttgctgtt   1860
E--> 126 cggtgcttgg aaaaatattt aacagatgac aaactttctc agtatttaat tcagctagta   1920
E--> 127 caggtcctaa aatatgaaca atatttggat aacttgcttg tgagattttt actgaagaaa   1980
E--> 128 gcattgacta atcaaaggat tgggcacttt ttctttggc atttaaaatc tgagatgcac    2040
E--> 129 aataaaacag ttagccagag gtttggcctg cttttggagt cctattgtcg tgcatgtggg   2100
E--> 130 atgtatttga agcacctgaa taggcaagtc gaggcaatgg aaaagctcat taacttaact   2160
E--> 131 gacattctca aacaggagag gaaggatgaa acacaaaagg tacagatgaa gttttttagtt   2220
E--> 132 gagcaatga ggcgaccaga ttcatggat gccctacagg gcttgctgtc tcctctaaac    2280
E--> 133 cctgctcatc aactaggaaa cctcaggctt aaagagtgtc gaattatgtc ttctgcaaaa   2340
E--> 134 aggccactgt ggttgaattg ggagaaccca gacatcatgt cagagttact gtttcagaac   2400
E--> 135 aatgagatca tctttaaaaa tggggatgat ttacggcaag atatgctaac acttcaaatt   2460
E--> 136 attcgtatta tggaaaatat ctggcaaaat caaggtcttg atcttcgaat gttaccttat   2520
E--> 137 ggttgtctgt caatcggtga ctgtgtggga cttattgagg tggtgcgaaa ttctcacact   2580
E--> 138 attatgcaaa ttcagtgcaa aggcggcttg aaaggtgcac tgcagttcaa cagccacaca   2640
E--> 139 ctacatcagt ggctcaaaga caagaacaaa ggagaaatat atgatgcagc cattgacctg   2700
E--> 140 tttacacgtt catgtgctgg atactgtgta gctaccttca tttttgggaat tggagatcgt   2760
E--> 141 cacaatagta acatcatggt gaaagacgat ggacaactgt ttcatataga ttttggacac   2820
E--> 142 tttttggatc acaagaagaa aaaatttggt tataaacgag aacgtgtgcc atttgttttg   2880
E--> 143 acacaggatt tcttaatagt gattagtaaa ggagcccaag aatgcacaaa gacaagagaa   2940
E--> 144 tttgagaggt ttcaggagat gtgttacaag gcttatctag ctattcgaca gcatgccaat   3000
E--> 145 ctcttcataa atcttttctc aatgatgctt ggctctggaa tgccagaact acaatctttt   3060
E--> 146 gatgacattg catacattcg aaagacccta gccttagata aaactgagca agaggctttg   3120
E--> 147 gagtatttca tgaaacaaat gaatgatgca catcatggtg gctggacaac aaaaatggat   3180
E--> 148 tggatcttcc acacaattaa acagcatgca ttgaactgaa agataactga gaaaatgaaa   3240
E--> 149 gctcactctg gattccacac tgcactgtta ataactctca gcaggcaaag accgattgga   3300
E--> 150 taggaattgc acaatccatg aacagcatta gatttacagc aagaacagaa ataaaatact   3360
E--> 151 atataattta aataatgtaa acgcaaacag ggtttgatag cacttaaact agttcatttc   3420
     152 aaaa                                                               3424
```

VERIFICATION SUMMARY　　　　　　　　　DATE: 09/18/2006
PATENT APPLICATION:　**US/10/591,347**　　　TIME: 15:29:48

Input Set :　**A:\pto.da.txt**
Output Set: **N:\CRF4\09182006\J591347.raw**

```
L:15  M:270 C: Current Application Number differs, Replaced Current Application No
L:15  M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:95  M:321 E: (1) "t" not allowed in RNA Sequence, NUMBER OF INVALID 't' KEYS:12
L:96  M:320 E: (1) Wrong Nucleic Acid Designator, NUMBER OF INVALID KEYS:16
L:96  M:321 E: (1) "t" not allowed in RNA Sequence, NUMBER OF INVALID 't' KEYS:28
L:97  M:320 E: (1) Wrong Nucleic Acid Designator, NUMBER OF INVALID KEYS:14
L:97  M:321 E: (1) "t" not allowed in RNA Sequence, NUMBER OF INVALID 't' KEYS:42
L:98  M:320 E: (1) Wrong Nucleic Acid Designator, NUMBER OF INVALID KEYS:21
L:98  M:321 E: (1) "t" not allowed in RNA Sequence, NUMBER OF INVALID 't' KEYS:63
L:99  M:320 E: (1) Wrong Nucleic Acid Designator, NUMBER OF INVALID KEYS:19
L:99  M:321 E: (1) "t" not allowed in RNA Sequence, NUMBER OF INVALID 't' KEYS:82
L:100 M:320 E: (1) Wrong Nucleic Acid Designator, NUMBER OF INVALID KEYS:13
L:100 M:321 E: (1) "t" not allowed in RNA Sequence, NUMBER OF INVALID 't' KEYS:95
L:101 M:320 E: (1) Wrong Nucleic Acid Designator, NUMBER OF INVALID KEYS:21
L:101 M:321 E: (1) "t" not allowed in RNA Sequence, NUMBER OF INVALID 't' KEYS:116
L:102 M:320 E: (1) Wrong Nucleic Acid Designator, NUMBER OF INVALID KEYS:20
L:102 M:321 E: (1) "t" not allowed in RNA Sequence, NUMBER OF INVALID 't' KEYS:136
L:103 M:320 E: (1) Wrong Nucleic Acid Designator, NUMBER OF INVALID KEYS:16
L:103 M:321 E: (1) "t" not allowed in RNA Sequence, NUMBER OF INVALID 't' KEYS:152
L:104 M:320 E: (1) Wrong Nucleic Acid Designator, NUMBER OF INVALID KEYS:16
L:104 M:321 E: (1) "t" not allowed in RNA Sequence, NUMBER OF INVALID 't' KEYS:168
L:105 M:320 E: (1) Wrong Nucleic Acid Designator, NUMBER OF INVALID KEYS:16
L:105 M:321 E: (1) "t" not allowed in RNA Sequence, NUMBER OF INVALID 't' KEYS:184
L:106 M:320 E: (1) Wrong Nucleic Acid Designator, NUMBER OF INVALID KEYS:14
L:106 M:321 E: (1) "t" not allowed in RNA Sequence, NUMBER OF INVALID 't' KEYS:198
L:107 M:320 E: (1) Wrong Nucleic Acid Designator, NUMBER OF INVALID KEYS:19
L:107 M:321 E: (1) "t" not allowed in RNA Sequence, NUMBER OF INVALID 't' KEYS:217
L:108 M:320 E: (1) Wrong Nucleic Acid Designator, NUMBER OF INVALID KEYS:19
L:108 M:321 E: (1) "t" not allowed in RNA Sequence, NUMBER OF INVALID 't' KEYS:236
L:109 M:320 E: (1) Wrong Nucleic Acid Designator, NUMBER OF INVALID KEYS:17
L:109 M:321 E: (1) "t" not allowed in RNA Sequence, NUMBER OF INVALID 't' KEYS:253
L:110 M:320 E: (1) Wrong Nucleic Acid Designator, NUMBER OF INVALID KEYS:17
L:110 M:321 E: (1) "t" not allowed in RNA Sequence, NUMBER OF INVALID 't' KEYS:270
L:111 M:320 E: (1) Wrong Nucleic Acid Designator, NUMBER OF INVALID KEYS:16
L:111 M:321 E: (1) "t" not allowed in RNA Sequence, NUMBER OF INVALID 't' KEYS:286
L:112 M:320 E: (1) Wrong Nucleic Acid Designator, NUMBER OF INVALID KEYS:21
L:112 M:321 E: (1) "t" not allowed in RNA Sequence, NUMBER OF INVALID 't' KEYS:307
L:113 M:320 E: (1) Wrong Nucleic Acid Designator, NUMBER OF INVALID KEYS:12
L:113 M:321 E: (1) "t" not allowed in RNA Sequence, NUMBER OF INVALID 't' KEYS:319
L:114 M:320 E: (1) Wrong Nucleic Acid Designator, NUMBER OF INVALID KEYS:21
L:114 M:321 E: (1) "t" not allowed in RNA Sequence, NUMBER OF INVALID 't' KEYS:340
L:115 M:320 E: (1) Wrong Nucleic Acid Designator, NUMBER OF INVALID KEYS:19
L:115 M:321 E: (1) "t" not allowed in RNA Sequence, NUMBER OF INVALID 't' KEYS:359
L:116 M:320 E: (1) Wrong Nucleic Acid Designator, NUMBER OF INVALID KEYS:16
L:116 M:321 E: (1) "t" not allowed in RNA Sequence, NUMBER OF INVALID 't' KEYS:375
L:117 M:320 E: (1) Wrong Nucleic Acid Designator, NUMBER OF INVALID KEYS:20
L:117 M:321 E: (1) "t" not allowed in RNA Sequence, NUMBER OF INVALID 't' KEYS:395
L:118 M:320 E: (1) Wrong Nucleic Acid Designator, NUMBER OF INVALID KEYS:16
```

VERIFICATION SUMMARY   DATE: 09/18/2006
PATENT APPLICATION: **US/10/591,347**   TIME: 15:29:48

Input Set : **A:\pto.da.txt**
Output Set: **N:\CRF4\09182006\J591347.raw**

```
L:118 M:321 E: (1) "t" not allowed in RNA Sequence, NUMBER OF INVALID 't' KEYS:411
L:119 M:320 E: (1) Wrong Nucleic Acid Designator, NUMBER OF INVALID KEYS:18
L:119 M:321 E: (1) "t" not allowed in RNA Sequence, NUMBER OF INVALID 't' KEYS:429
L:120 M:320 E: (1) Wrong Nucleic Acid Designator, NUMBER OF INVALID KEYS:14
L:120 M:321 E: (1) "t" not allowed in RNA Sequence, NUMBER OF INVALID 't' KEYS:443
L:121 M:320 E: (1) Wrong Nucleic Acid Designator, NUMBER OF INVALID KEYS:11
L:121 M:321 E: (1) "t" not allowed in RNA Sequence, NUMBER OF INVALID 't' KEYS:454
L:122 M:320 E: (1) Wrong Nucleic Acid Designator, NUMBER OF INVALID KEYS:14
L:122 M:321 E: (1) "t" not allowed in RNA Sequence, NUMBER OF INVALID 't' KEYS:468
L:123 M:320 E: (1) Wrong Nucleic Acid Designator, NUMBER OF INVALID KEYS:23
L:123 M:321 E: (1) "t" not allowed in RNA Sequence, NUMBER OF INVALID 't' KEYS:491
L:124 M:320 E: (1) Wrong Nucleic Acid Designator, NUMBER OF INVALID KEYS:14
L:124 M:321 E: (1) "t" not allowed in RNA Sequence, NUMBER OF INVALID 't' KEYS:505
L:125 M:320 E: (1) Wrong Nucleic Acid Designator, NUMBER OF INVALID KEYS:21
L:125 M:321 E: (1) "t" not allowed in RNA Sequence, NUMBER OF INVALID 't' KEYS:526
L:126 M:320 E: (1) Wrong Nucleic Acid Designator, NUMBER OF INVALID KEYS:20
L:126 M:321 E: (1) "t" not allowed in RNA Sequence, NUMBER OF INVALID 't' KEYS:546
L:127 M:320 E: (1) Wrong Nucleic Acid Designator, NUMBER OF INVALID KEYS:20
L:127 M:321 E: (1) "t" not allowed in RNA Sequence, NUMBER OF INVALID 't' KEYS:566
L:128 M:320 E: (1) Wrong Nucleic Acid Designator, NUMBER OF INVALID KEYS:21
L:128 M:321 E: (1) "t" not allowed in RNA Sequence, NUMBER OF INVALID 't' KEYS:587
L:129 M:320 E: (1) Wrong Nucleic Acid Designator, NUMBER OF INVALID KEYS:19
L:129 M:321 E: (1) "t" not allowed in RNA Sequence, NUMBER OF INVALID 't' KEYS:606
L:130 M:320 E: (1) Wrong Nucleic Acid Designator, NUMBER OF INVALID KEYS:15
L:130 M:321 E: (1) "t" not allowed in RNA Sequence, NUMBER OF INVALID 't' KEYS:621
L:131 M:320 E: (1) Wrong Nucleic Acid Designator, NUMBER OF INVALID KEYS:13
L:131 M:321 E: (1) "t" not allowed in RNA Sequence, NUMBER OF INVALID 't' KEYS:634
L:132 M:320 E: (1) Wrong Nucleic Acid Designator, NUMBER OF INVALID KEYS:14
L:132 M:321 E: (1) "t" not allowed in RNA Sequence, NUMBER OF INVALID 't' KEYS:648
L:133 M:320 E: (1) Wrong Nucleic Acid Designator, NUMBER OF INVALID KEYS:16
L:133 M:321 E: (1) "t" not allowed in RNA Sequence, NUMBER OF INVALID 't' KEYS:664
L:134 M:320 E: (1) Wrong Nucleic Acid Designator, NUMBER OF INVALID KEYS:15
L:134 M:321 E: (1) "t" not allowed in RNA Sequence, NUMBER OF INVALID 't' KEYS:679
L:135 M:320 E: (1) Wrong Nucleic Acid Designator, NUMBER OF INVALID KEYS:18
L:135 M:321 E: (1) "t" not allowed in RNA Sequence, NUMBER OF INVALID 't' KEYS:697
L:136 M:320 E: (1) Wrong Nucleic Acid Designator, NUMBER OF INVALID KEYS:22
L:136 M:321 E: (1) "t" not allowed in RNA Sequence, NUMBER OF INVALID 't' KEYS:719
L:137 M:320 E: (1) Wrong Nucleic Acid Designator, NUMBER OF INVALID KEYS:20
L:137 M:321 E: (1) "t" not allowed in RNA Sequence, NUMBER OF INVALID 't' KEYS:739
L:138 M:320 E: (1) Wrong Nucleic Acid Designator, NUMBER OF INVALID KEYS:12
L:138 M:321 E: (1) "t" not allowed in RNA Sequence, NUMBER OF INVALID 't' KEYS:751
L:139 M:320 E: (1) Wrong Nucleic Acid Designator, NUMBER OF INVALID KEYS:11
L:139 M:321 E: (1) "t" not allowed in RNA Sequence, NUMBER OF INVALID 't' KEYS:762
L:140 M:320 E: (1) Wrong Nucleic Acid Designator, NUMBER OF INVALID KEYS:23
L:140 M:321 E: (1) "t" not allowed in RNA Sequence, NUMBER OF INVALID 't' KEYS:785
L:141 M:320 E: (1) Wrong Nucleic Acid Designator, NUMBER OF INVALID KEYS:16
L:141 M:321 E: (1) "t" not allowed in RNA Sequence, NUMBER OF INVALID 't' KEYS:801
L:142 M:320 E: (1) Wrong Nucleic Acid Designator, NUMBER OF INVALID KEYS:21
L:142 M:321 E: (1) "t" not allowed in RNA Sequence, NUMBER OF INVALID 't' KEYS:822
```

VERIFICATION SUMMARY   DATE: 09/18/2006
PATENT APPLICATION: US/10/591,347   TIME: 15:29:48

Input Set : **A:\pto.da.txt**
Output Set: **N:\CRF4\09182006\J591347.raw**

```
L:143 M:320 E: (1) Wrong Nucleic Acid Designator, NUMBER OF INVALID KEYS:11
L:143 M:321 E: (1) "t" not allowed in RNA Sequence, NUMBER OF INVALID 't' KEYS:833
L:144 M:320 E: (1) Wrong Nucleic Acid Designator, NUMBER OF INVALID KEYS:19
L:144 M:321 E: (1) "t" not allowed in RNA Sequence, NUMBER OF INVALID 't' KEYS:852
L:145 M:320 E: (1) Wrong Nucleic Acid Designator, NUMBER OF INVALID KEYS:23
L:145 M:321 E: (1) "t" not allowed in RNA Sequence, NUMBER OF INVALID 't' KEYS:875
L:146 M:320 E: (1) Wrong Nucleic Acid Designator, NUMBER OF INVALID KEYS:14
L:146 M:321 E: (1) "t" not allowed in RNA Sequence, NUMBER OF INVALID 't' KEYS:889
L:147 M:320 E: (1) Wrong Nucleic Acid Designator, NUMBER OF INVALID KEYS:14
L:147 M:321 E: (1) "t" not allowed in RNA Sequence, NUMBER OF INVALID 't' KEYS:903
L:148 M:320 E: (1) Wrong Nucleic Acid Designator, NUMBER OF INVALID KEYS:13
L:148 M:321 E: (1) "t" not allowed in RNA Sequence, NUMBER OF INVALID 't' KEYS:916
L:149 M:320 E: (1) Wrong Nucleic Acid Designator, NUMBER OF INVALID KEYS:14
L:149 M:321 E: (1) "t" not allowed in RNA Sequence, NUMBER OF INVALID 't' KEYS:930
L:150 M:320 E: (1) Wrong Nucleic Acid Designator, NUMBER OF INVALID KEYS:13
L:150 M:321 E: (1) "t" not allowed in RNA Sequence, NUMBER OF INVALID 't' KEYS:943
L:151 M:320 E: (1) Wrong Nucleic Acid Designator, NUMBER OF INVALID KEYS:20
L:151 M:321 E: (1) "t" not allowed in RNA Sequence, NUMBER OF INVALID 't' KEYS:963
```